

# HORNET® HP DOWNLIGHT

3.5" ROUND PINHOLE ADJ SLOT TRIMLESS LED INTERNATIONAL

I-HDL-HP-RPAS-A14-TL  
LED

**APPLICATION:**

Retail, commercial & hospitality accent/display lighting

**CONSTRUCTION:**

Die-cast aluminum trim ring  
Die-cast optical head construction  
Cast aluminum plaster frame with perforated face  
Spring steel retaining clips  
Formed steel faceplate

**ELECTRICAL:**

Electronic constant current LED driver, 240v input  
ELV & Triac dimming standard

**This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Amerlux® recommends using additional surge protection with this unit (supplied by others), surge damage is not covered by warranty.**

**OPTICS:**

Available in a variety of beam spreads  
LED:

Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K  
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2200K, 2700K, 3000K)

Optional Amerlux CrispWhite technology (16W max)

R9 Value: 11 (83CRI), 55 (90+CRI)

Binning: 3 MacAdam (SDMC)

Lumen Maintenance: >70% of initial lumens @ 50,000 hrs  
Lumen Output (at 3000K):

16W:SP 914 typ	18W:SP 1016 typ
NF 818 typ	NF 909 typ
MFL 766 typ	MFL 851 typ
FL 750 typ	FL 833 typ

0-30° tilt, 358° rotation

**LABELING:**

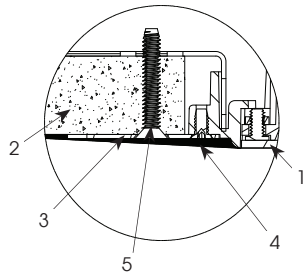


For indoor use only

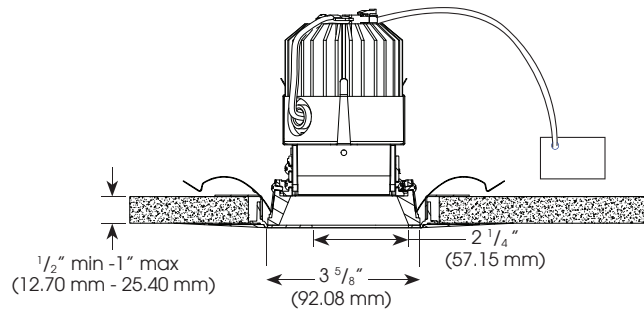


PROJECT:

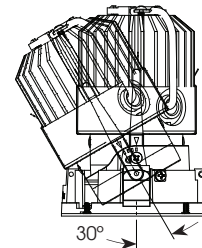
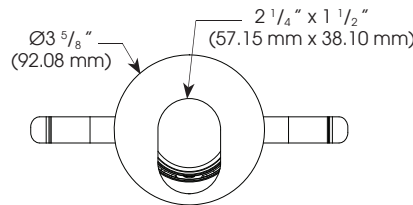
TYPE:



1. Reflector Trim
2. Ceiling 1/2" (1" Max.)
3. Cast Aluminum Plaster Frame
4. Plaster Skim Coat (By Others)
5. #8 Screw (by others)



Ceiling Cut Out Dimension: 4 1/2" (114.3 mm)



114.3 mm

**3 year limited warranty**  
AMERLUX INTERNATIONAL  
(see website for details)

**ELECTRICAL**

Electronic driver

	11W		16W		18W	
	System Watts	Amps	System Watts	Amps	System Watts	Amps
240v	11	0.05	16	0.07	18	0.08

**ORDERING INFORMATION:**

Model	Wattage	Lamp Type	Voltage	Trim Finish	Beam Spread	Color Temp (CCT-CRI)	Listing Code	Options/Accessories
HDL-HP-RPAS-A14-TL	11	LED	240	MW - matte white	SP - spot, 15°	27 - 2700K-83	CE	HEX - hexcell louver
	16			MB - matte black	NF - narrow flood, 20°	30 - 3000K-83		SOL - solite beam softening lens
	18			SLV - matte silver	MFL - medium flood, 24°	35 - 3500K-83		DALI - DALI driver
				PC - polished chrome	FL - flood, 28°	40 - 4000K-83		
				BSS - brushed stainless steel		229 - 2200K-90+		
						279 - 2700K-90+		
						309 - 3000K-90+		
						CRISP - CrispWhite (16W max)		
						3CLA - 3K Class A		

Example: I-HDL-HP-RPAS-A14-TL-18-LED-240-MW-FL-30-CE

Cat #:

Amerlux reserves the right to change details that do not affect overall function and performance.



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A14-TL  
LED



TYPE:



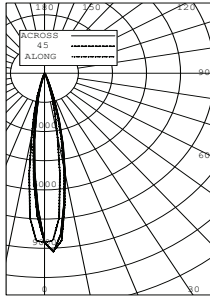
**FIXTURE DATA:** For 11W data, multiply by 0.62; For 16W data, multiply by 0.88

Complete photometric data (ies format) available upon request.

CCT Conversion Factor: 2700K-83 = 0.96; 3500K-83 = 1.02; 4000K-83 = 1.04; 2200K-90+ = 0.71; 2700-90+ = 0.80; 3000K-90+ = 0.83; CRISP = 0.65; 3CLA = 0.75

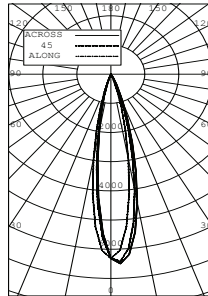
## 18W LED 3000K-83

SPOT  
DISTRIBUTION  
LTL # 818220



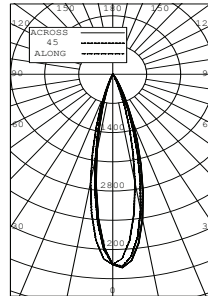
Candelas at Nadir	
Deg	Candela
0	8708
5	7439
15	1282
25	33
35	5
45	0

NARROW FLOOD  
DISTRIBUTION  
LTL # 818221



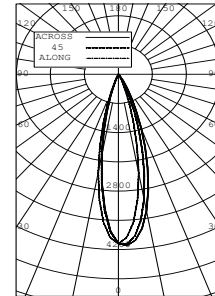
Candelas at Nadir	
Deg	Candela
0	6311
5	5258
15	1202
25	62
35	7
45	0

MEDIUM FLOOD  
DISTRIBUTION  
LTL # 818222



Candelas at Nadir	
Deg	Candela
0	4560
5	3994
15	1320
25	116
35	8
45	0

FLOOD  
DISTRIBUTION  
LTL # 818223

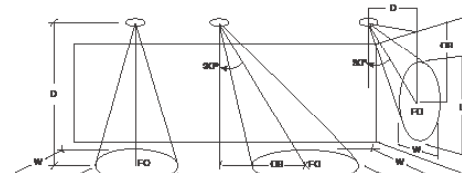


Candelas at Nadir	
Deg	Candela
0	4055
5	3556
15	1218
25	113
35	8
45	0

## APPLICATION DATA:

### Notes and Definitions:

Beam spread is to 50% center beam candlepower (CBCP).  
 D=Distance to floor or wall.  
 FC=Footcandles on floor or wall at center beam aiming location.  
 L=Effective Visual Beam length in feet (50% of maximum footcandle level).  
 W=Effective Visual Beam width in feet (50% of maximum footcandle level).  
 CB=Distance across or down to center beam location.



0° Aiming Angle  
Horizontal  
Footcandles

	D	FC	L	W
SPOT	5.0'	233	2.0	1.9
	7.5'	127	2.6	2.6
	10.0'	77	3.3	3.3
	12.5'	52	4.0	4.0
NARROW FLOOD	5.0'	180	2.2	2.0
	7.5'	94	2.9	2.8
	10.0'	57	3.8	3.6
	12.5'	38	4.6	4.5
MEDIUM FLOOD	5.0'	140	2.3	2.3
	7.5'	71	3.3	3.1
	10.0'	42	4.3	4.1
	12.5'	28	5.2	5.2
FLOOD	5.0'	127	2.5	2.3
	7.5'	64	3.6	3.2
	10.0'	38	4.6	4.2
	12.5'	25	5.8	5.4